

Title (en)

METHOD FOR PROCESSING STRUCTURE CHANGE OF TIME SEQUENCE DATABASE TABLE

Title (de)

VERFAHREN ZUR VERARBEITUNG DER STRUKTURÄNDERUNG EINER ZEITSEQUENZDATENBANKTABELLE

Title (fr)

PROCÉDÉ DE TRAITEMENT DE CHANGEMENT DE STRUCTURE DE TABLE DE BASE DE DONNÉES DE SÉQUENCE TEMPORELLE

Publication

EP 3832478 A4 20220406 (EN)

Application

EP 19843691 A 20190718

Priority

- CN 201810879113 A 20180803
- CN 2019096450 W 20190718

Abstract (en)

[origin: EP3832478A1] The invention discloses a processing method for process changing time-series database table structure, wherein comprising following steps: an application side generates a data table containing a table name ID, a schema version, and a column ID; when a data column is increased, the application side modifies a schema of the data table, increases the schema version assigns assigned a new column ID number to a newly increased column incrementally, and assigns a default value to the newly increased column; according to a data insertion request of the application side, a data node receives data of a schema version carrying a data table from the application side and writes the received data, wherein writing the received data comprises: storing the schema version of the data table carried by data from the application side by the data node, and writing the received data, and writing the received data; when the data node receives new data from the application side, comparing the schema version of the data table carried by the new data with a stored schema version of the same data table; and the data node writes data according to the comparison result. According to the method, the operation of changing the structure of a table can be completed instantly, the historical data does not need to be changed, new and old table structure definitions can be used in parallel, and the flexibility can be improved.

IPC 8 full level

G06F 16/2458 (2019.01); **G06F 16/21** (2019.01)

CPC (source: EP US)

G06F 16/211 (2019.01 - EP); **G06F 16/213** (2019.01 - US); **G06F 16/2282** (2019.01 - US); **G06F 16/2365** (2019.01 - US); **G06F 16/2477** (2019.01 - EP)

Citation (search report)

[I] US 2016179850 A1 20160623 - MARTIN TODD [US], et al

Cited by

CN114185914A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3832478 A1 20210609; **EP 3832478 A4 20220406**; CN 109189783 A 20190111; CN 109189783 B 20231003; US 11586605 B2 20230221; US 2021279223 A1 20210909; WO 2020024797 A1 20200206

DOCDB simple family (application)

EP 19843691 A 20190718; CN 201810879113 A 20180803; CN 2019096450 W 20190718; US 201917265278 A 20190718